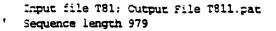
ARGCCAGTCTGTTTGCCTCCCAACGCCATCTGACCCAGGTGACCAAGAGG ATG CTG GCG GGG GGC GTG AGG S M P S P L L A C W Q P I L L V 27 AGC ATG CCC AGC CCC CTC CTG GCC TGC TGG CAG CCC ATC CTC CTG CTG GTG CTG GGC TCA V L S G S A T G C P P R C E C S A Q 47 STG CTG TCA GGC TCG GCC ACG GGC TGC CCG CCC CGC TGC GAG TGC TCC GCC CAG GAC CGC AVLCHRKRFVAVPEGIPT 57 GCT GTG CTG TGC CAC CGC AAG CGC TTT GTG GCA GTC CCC GAG GGC ATC CCC ACC GAG ACG 331 RLLDLGKNRIKTLNQDEFAS 37 CGC CTG CTG GAC CTA GGC AAG AAC CGC ATC AAA ACG CTC AAC CAG GAC GAG TTC GCC AGC 391 F P H L E E L E L N E N I V S A V E P G 107 THE COS CAC CTG GAG GAG CTG GAG CTC AAC GAG AAC ATC GTG AGC GCC GTG GAG CCC GGC 451 A F N N L F N L R T L G L R S N R L K L 127 GCC TTC AAC AAC CTC TTC AAC CTC CGG ACG CTG GGT CTC CGC AGC AAC CGC CTG AAG CTC I P L G V F T G L S N L T K L D T R E N 147 ATC CCG CTA GGC GTC TTC ACT GGC CTC AGC AAC CTG ACC AAG CTG GAC AGG GAG AAC K I V I L D Y M F Q D L Y N L K S L E 167 AAG ATC GTT ATC CTA CTG GAC TAC ATG TTT CAG GAC CTG TAC AAC CTC AAG TCA CTG GAG V G D N D L V Y I S H R A F S G L N S L 187 STT SGC GAC AAT GAC CTC GTC TAC ATC TCT CAC CGC GCC TTC AGC GGC CTC AAC AGC CTG EQLTLEKCNLTSIPTEALSH 207 GAG CAG CTG ACT CTG GAG AAA TGC AAC CTG ACC TCC ATC CCC ACC GAG GCG CTG TCC CAC 751 IVLRLR 227 H L N INAIR CTG CAC GGC CTC ATC GTC CTG AGG CTC CGG CAC CTC AAC ATC AAT GCC ATC CGG GAC TAC YRLKVLE R L I S H W P Y L D TCC TTC AAG AGG CTG TAC CGA CTC AAG GTC TTG GAG ATC TCC CAC TGG CCC TAC TTG GAC T M T P N C L Y G L N L T S L S I T H C 267 ACC ATG ACA CCC AAC TGC CTC TAC GGC CTC AAC CTG ACG TCC CTG TCC ATC ACA CAC TGC 287 N L T A V P Y L A V R H L V Y L R F L N AAT CTG ACC GCT GTG CCC TAC CTG GCC GTC CGC CAC CTA GTC TAT CTC CGC TTC CTC AAC LSYNPISTIEGSMLHELLRL 307 CTC TCC TAC AAC CCC ATC AGC ACC ATT GAG GGC TCC ATG TTG CAT GAG CTG CTC CGG CTG 1051 327 Q E I Q L V G G Q L A V V E P Y A F R G CAG GAG ATC CAG CTG GTG GGC GGG CAG CTG GCC GTG GTG GAG CCC TAT GCC TTC CGC GGC 1111 LNYLRVLNVSGNQLTTLEES 347 CTC AAC TAC CTG CGC GTG CTC AAT GTC TCT GGC AAC CAG CTG ACC ACA CTG GAG GAA TCA 1171

FIG. 1 (1 of 2)

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GIC.	iic	CXC	TCG	GTG	GGC	AAC	ಯಡ	GAG	ACA	crc	ATC	cic	GAC	ICC	AAC	ccs	cic	GCC	TGC	1231
ם	С	3	L	L	W	7	F	я	R	R	W	R	L	N	F	N	R	Q	Q	3 <b>87</b>
				•.																1291
P	Ţ	C	A	T	5	Ξ	F	7	ð	G	ĸ	Ε	F	K	D	F	5	כ	V	407
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T.	L ~~~	P	N	Y	F	Ţ	C	R	R	A	R	I	R	D	R	K	A	Q	Q	427
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GIG	Jalai. "	ω. Λ	CAC.	E GAG	G	H	T	Δ. Λ.	Q C3G	Arrent E	Δ.	C	R	A		G	D D	5	5	447 1471
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P	A	I	L	W	L	s	P	R	К	H	L	V	s	A	K	s	N	G	R	467
ccc	GCC	ATC	CIC	TCC	cic	TCA	CCC	CGA	AAG	CAC	cic	<b>GIC</b>	TCA	GCC	AAG	AGC	AAT	CCC	CCC	1531
L	T	V	F	P	פ	G	т	L	Ε	V	R	Y	A	Q	V	Q	ם	N	G	487
crc	ACA	CIC	TIC	CCI	GAT	GGC	YCC	cita	GAG	GIG.	CGC	TAC	GCC	CAG	GTA	CYC	GAC	AAC	GGC	1591
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																				1651
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GTG	CCC	YCC	TAC	TCG	ccc	GAC	TCG	CCC	CAT	CAG	CCC	AAC	AAG	ACC	TTC	CCI	TTC	ATC	TCC	1711
N	0	p	G	ㅠ	G	F	Δ	N	•	T	9	A	~	17	-	_	9	=		547
AAC	CAG	cœ	GCC	GAG	GGA	GAG	GCC	AAC	AGC	ACC	CGC	GCC	ACT	GTG	CCI	TIC	ccc	TTC	GAC	1771
ŗ	K	T	L	I	I	A	T	T	M	G	F	I	S	F	L	G	V	V	L	567
ATC	AAG	YCC	cic	ATC	ATC	SCC	ACC	ACC	ATG	GGC	TTC	ATC	TCT	TTC	CIG	GGC	cic	CIC	crc	1831
F	c	t.	v	t.	r.	F	Ť.	W	<	<b>-</b>	G	v	G	M	T*	r	u	N	I	5 <b>87</b>
																				1891
E	I	E	Y	V	P	R	K	S	ם	A	G	I	S	s	A	D	A	P	R	607
GAG	ATC	CAG	TAT	CIG	ccc	CGA	AAG	TCG	GAC	GCA	GGC	ATC	AGC	TCC	CCC	GAC	CCC	ccc	œc	1951
к	F	N	M	к	м	Ť	•													615
				AAG																1975
GGC	CCCC	GCGG	cccc	CAGG	SACO	ccca	3GCG	3000	3GCA	ecce:	NGG	SGCC.	rccc	2000	CCK	CTC	CIC	CCA	NCC	2054
TTC	CAC	crec	rece	TACC	CITC	TACA	CACG	rick	FFE	TTCC	CIC	CCCC	TCC	rcc.	cro	TGC		:ccci	AGCC	2133
crc	ACCA	CCTG	ccci	CCTI	CTAC	حموط	ACCIN	CAGAI	AGCCC	ZAGAC	CTG	3GGA(	cca	ACCT	ACAC!	vece(	CAT	rGAC!	<b>IGAC</b>	2212
Kacı	سمنت	TAAA	COCC	loca:	ACCT:	acac	بحصاد	71(3)	ופיאוב	י מ מידע	ر وحالما	י מ מידע	1222	الاشفات	<b>~</b> 222	<del></del>	<del>-14-44</del>	<b>:</b> T22/	تململہ	2291
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GGT	MCA	ATAA'	TTAT	GGAT	TTTT.	ATGA	AAAC:	MGA	ATA	ATAA	AAA	AAA	AAA	AAAA	3					2351



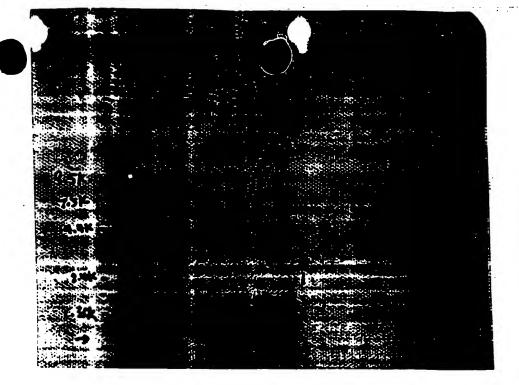
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GAAT	TEGG	CACG	AGGC	CAGO	CAGT	reese	CSG	MCGF	RGCC	:::::::::::::::::::::::::::::::::::::::	TCSC	TGG	GCAC	C AI	rc co	<b>35</b> GC	G TO	cc cc	CG.	72
	SAATTCOGCACGAGCCAGCCAGTCCGCCSGTMCGRRGCCCGGCCTCGCTGGGGCAGC ATG GCG GGG TCG CCG																			
_	L	W	G	: P	R	Α	G	G	V	G	L	L	V	L	L	L	L	G	L	25
CTG	CIC	TGG	CCC	ccc	CGG	GCC	GGG	GGC	GIC	SGC	CIT	TTG	GTG	CIG	CTG	CTG	CTC	GGC	cie	132
F	я	5	Ð	5	Α	L	C	A	R	P	V	K	E	P	R	G	L	s	A	45
																			CCA	192
A	S	P	₽	L	A	Ξ	T	G	A	P	R	R	F	R	R	S	V	₽	R	65
GCC	TCT	CCC	$\alpha$	TIG	GCT	GAG	ACT	GGC	GCT	CCI	CCC	CGC	TIC	CGG	CGG	TCA	GTG	CCC	CGA	25 <b>2</b>
G	Ε	A	A	G	A	V	Q	Ξ	L	A	R	A	L	A	H	L	L	E	Α	85
GCT	GAG	GCG	GCG	GGG	GCG	GTG	CAG	GAG	crs	GCG	CCC	GCG	CIG	GCG	CAT	CIG	CLC	GAG	GCC	312
																			V	105
GAA	CCT	CYC	GAG	CCC	GCG	CGG	GCC	CAC	CCC	CAG	GAG	GCT	GAG	GAT	CAG	CAG	CCC	CGC	GTC	372
									A											125
cic	GCG	CAG	cic	CIG	CCC	<b>CLC</b>	TGG	GGC	GCC	CCC	CCC	AAC	TCT	GAT	CCC	CCI	cic	GGC	TTG	432
									Q											145
GAC	GAC	GAC	ccc	GAC	CCC	CCI	GCA	CCG	CYC	CIC	CCI	CCC	CCI	cic	CIC	CCC	GCC	CGC	Cii	492
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									v											165
GAC	cci	CCC	GCC	CIA	GCA	GCC	CAG	CIT	GIC	CCC	GCG	CCC	GIC	CCC	GCC	GCG	GCG	CIC	CGA	552
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ccc	CGG	CCC	CCG	GIC	TAC	GAC	GAC	GGC	CCC	تاكات	نافات	000	GAT	GCT			حم	. نحک	GAC	314
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	المسلام	CCC	GAL	GIG			عابين	CIG	1-10	فافلا	IML	116	CIG	Gun		MII	C11	محم	- GGA	0,2
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202	حكلت	1772	:ATY		C2CC	CIG	GACC	באבא	ACTY	ccc	CCCC	ATCC	CCCC	ACCA	CCAC	TGCT	CCCC	GCCA	GCAC	919
البح	~																			
CIC	CAGA	GCAI	CIT	ccc	GGCC	AGCC	AGCC	Cici	CACC	CGAG	GATO	CCTA	cccc	CIGG	c					979
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ercent	Similar	ity: 29.412	
T79	1	MLAGC LLAUWOPILLLVLGSVLSGSATGCPPRCECSAQDR . 47	
D4591	L3 1	: .:     .:   ::. : .: :  .     : MARLSTGKAAC.QVVLGLLITSLTESSILTSECPQLCVCEIRPWF 44	
T79	48	AVLCHRKRFVAVPEGIPTETRLLDLGKNRIKTLNQDEFAS 87	
D4591	13 45	TPQSTYREATTVDCNDLRLTRIPGNLSSDTQVLLLQSNNI	
T79	88	FPHLEELELNENIVSAVEPGAFNNLFNLRTLGLRSNRLKLIPLGVFTGLS 137	
D459	13 8 <b>5</b>		
T79	138	NLTKLDTRENKIVILLDYMFQDLYNLKSLEVGDNDLVYISHRAFSGLNSL 187	
D459	13 120	-  . .   .  :    :       : ::    .      QLTTLHLEENQISEMTDYCLQDLSNLQELYINHNQISTISANAFSGLKNL 169	
<b>17</b> 9	188	EQLTLEKCNLTSIPTEALSHLHGLIVLRLRHLNINAIRDYSFKRLYRLKV 237	
<b>24</b> 59	13 170	.    :  .   :   :   .   .   :     .   :   :	
779	238	LEISHWPYLDTMTPNCLYGLN.LTSLSITHCNLTAVPYLAVRHLVYLRFL 286	
0459	13 220	:.           :   .	
<b>₽</b> 79	287	NLSYNPISTIEGSMLHELLRLQEIQLVG.GQLAVVEPY	
<b>5459</b>	13 269	DLNKNPIHKIQEGDFKNMLRLKELGINNMGELVSVDRYALDNLPELTKLE 318	
∰79 √0	324	AFRGLNYLRVLNVSGNQLTTLEESVFHSVGNLETLIL 360	1
<b>1</b> 0459	13 319	ATNIPKLSYIHRLAFRSVPALESLMLININALNAVYQKTVESLPNLREISI 368	
T79	361	DSNPLACDCRLLWVFRRRWRLNFNRQQPT.CATPEFVQGKEFKDFPDVLL 409	
D459	13 369	.         :  :: .:.       .:.  :  : HSNPLRCDCVIHWINSNKTNIRFMEPLSMFCAMPPEYRGQQVKEVLI 415	ı
T79	410	PNYFT.CRRARIRDRKAQQVFVDEGHTVQFVCRADGDPPPAILWLSPRKH 458	
D459	13 416	QDSSEQCLPMISHDTFPNHLNMDIGTTLFLDCRAMAEPEPEIYWVTPIGN 465	i
T79	459	LVSAKS.NGRLTVFPDGTLEVRYAQVQDNGTYLCIAANAGGNDSMPAHLH 507	
D459		KITVETLSDKYKLSSEGTLEIANIQIEDSGRYTCVAQNVQGADTRVATIK 515	
T79	508	V	ļ
D459	13 516	VNGTLLDGAQVLKIYVKQTESHSILVSWKVNSNVMTSNLKWSSATMKIDN 565	į

519 PNKTF......AFISNQPGEGEANSTRA 540

T79



PILVIHDEQKGPEVTSN 19 CC ACG CGT CCG ATC TTG GTC ATC CAC GAT GAA CAG AAG GGG CCG GAA GTG ACC TCC AAT AALTLRNFCNWQKQHNPPSD GCT GCC CTC ACT CTG CGG AAC TTT TGC AAC TGG CAG AAG CAG CAC AAC CCA CCC AGT GAC 119 C \$ 59 ILFTRQDL RDAEHYD т а CGG GAT GCA GAG CAC TAT GAC ACA GCA ATT CTT TTC ACC AGA CAG GAC TTG TGT GGG TCC 179 79 Q T C D T L G M A D V G T V C D P S CAG ACA TGT GAT ACT CTT GGG ATG GCT GAT GTT GGA ACT GTG TGT GAT CCG AGC AGA AGC 239 E L G 99 C S V I E D D G L Q A A F T T A H TOC TOC GTC ATA GAA GAT GAT GGT TTA CAA GCT GCC TTC ACC ACA GCC CAT GAA TTA GGC H V F N M P H D D A K Q C A S L N G V N 119 CAC GTG TTT AAC ATG CCA CAT GAT GAT GCA AAG CAG TGT GCC AGC CTT AAT GGT GTG AAC Q D S H M M A S M L S N L D H S Q P W S 139 CAG GAT TOO CAC ATG ATG GOG TOA ATG CTT TOO AAC CTG GAC CAC AGC CAG COT TGG TOT PCSAYMITSFLDNGH G E C 159 CCT TGC AGT GCC TAC ATG ATT ACA TCA TTT CTG GAT AAT GGT CAT GGG GAA TGT TTG ATG 479 D K P Q N P I Q L P G D L P G T S Y D A 539 GAC AAG COT CAG AAT COO ATA CAG CTC COA GGC GAT CTC COT GGC ACC TOG TAC GAT GCC 199 NRQCQFTFGEDSKHCPD AME CGG CAG TGC CAG TTT ACA TTT GGG GAG GAC TCC AAA CAC TGC CCT GAT GCA GCC AGC C S T L W C T G T S G G V L V C Q T K 219 ACA TOT AGO ACO TTG TGG TGT ACO GGG ACO TCT GGT GGG GTG CTG GTG TGT CAA ACO AAA SCGEGKWCINGK 239 T H F P W A D G CAC TTC CCG TCG GCG GAT GGC ACC AGC TGT GGA GAA GGG AAA TGG TGT ATC AAC GGC AAG 719 259 C V N K T D R K H F D T P F H G TGT GTG AAC AAA ACC GAC AGA AAG CAT TTT GAT ACG CCT TTT CAT GGA AGC TGG GGA ATG 779 279 W G P W G D C S R T C G G G V Q Y T M R 839 TOG GGG CCT TOG GGA GAC TGT TCG AGA ACG TGC GGT GGA GGA GTC CAG TAC ACG ATG AGG 299 ECDNPVPKNGGKYCEGKRV GAA TOT GAC AAC CCA GTC CCA AAG AAT GGA GGG AAG TAC TOT GAA GGC AAA CGA GTG CGC Y R S C N L E D C P D N N G K T F R E E THE AGA TOO TOT AAC CIT GAG GAC TOT CCA GAC AAT AAT GGA AAA ACC TIT AGA GAG GAA FGSGPA 339 Q C E A H N E F S K A S CAA TOT GAA GCA CAC AAC GAG TIT TCA AAA GCT TCC TIT GGG AGT GGG CCT GCG GTG GAA 1019 W I P K Y A G V S P K D R C K L I C Q A 359 TOG ATT CCC AAG TAC GCT GGC GTC TCA CCA AAG GAC AGG TGC AAG CTC ATC TGC CAA GCC 1079 K G I G Y F F V L Q P K V V D G T P C S 379 AAA GGC ATT GGC TAC TTC GTT TTG CAG CCC AAG GTT GTA GAT GGT ACT CCA TGT AGC 1139

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PDSTSVCVQGQCVKAGCDRI CCA GAT TOO ACC TOT GTC TOT GTG CAA GGA CAG TGT GTA AAA GCT GGT TGT GAT CGC ATC 1199 D K C G V C G G N G S T C 419 SKKKF ATA GAC TOO AAA AAG AAG TIT GAT AAA TGT GGT GTT TGC GGG GGA AAT GGA TOT ACT TGT 1259 439 K K I S G S V T S A K P G Y H D I I T I AAA AAA ATA TCA GGA TCA GTT ACT AGT GCA AAA CCT GGA TAT CAT GAT ATC ATC ACA ATT 1319 NIEVKQRNQRGSRNN 459 T G A CCA ACT GGA GCC ACC AAC ATC GAA GTG AAA CAG CGG AAC CAG AGG GGA TCC AGG AAC AAT 1379 G S F L A I K A A D G T Y I L N G D Y T 479 GGC AGC TIT CIT GCC ATC AAA GCT GCT GAT GGC ACA TAT ATT CIT AAT GGT GAC TAC ACT 1439 499 L S T L E Q D I M Y K G V V L R Y TTG TCC ACC TTA GAG CAA GAC ATT ATG TAC AAA GGT GTT GTC TTG AGG TAC AGC GGC TCC 1499 519 ALERIRSFSPLKEPLTIQ TOT GOG GOA TTG GAA AGA ATT CGC AGO TTT AGO COT CTC AAA GAG CCC TTG ACC ATC CAG 1559 V L T V G N A L R P K I K Y T Y F V K 539 GTT CTT ACT GTG GGC AAT GCC CTT CGA CCT AAA ATT AAA TAC ACC TAC TTC GTA AAG AAG 1619 PTFSAWVIEEWG K K E S F N A I AAG AAG GAA TOT TTO AAT GOT ATO COO ACT TIT TOA GOA TGG GTC ATT GAA GAG TGG GGC 1679 ECSKTCGKGYKKRSLKCLSH 579 GAA TOT TOT AAG ACC TOT GGG AAG GGT TAC AAA AAA AGA AGC TTG AAG TGT CTG TCC CAT 1739 D G G V L S H E S C D P L K K P K H F I 599 GAT GGA GGG GTG TTA TCT CAT GAG AGC TGT GAT CCT TTA AAG AAA CCT AAA CAT TTC ATA 1799 609 D F C T M A E C S 1829 GAC TIT TGC ACA ATG GCA GAA TGC AGT TAA GTGGTTTAAGTGGTGTTAGCTCTGAGGGCAAGTGAGGCAAGGGAAGGGTGGAGGGAAAGCAAGAAGGCTGGAGGG 1908 AAAAGTTAGAACTATTACAACCCCTGTTTCCTGGTACTTATCAAATACTTAGTATCATGGGGGTTGGGAAATGAAAAGT 2224 ACCAGAAAAGTGAGATTTTACTTAAGACCTGTTTTACTTTACCTCACTAACAATGGGGGGAGAAAGGAGTACAAATAGGA 2303 TCTTTGACCACCACTGTTTATGGCTGCTATGGTTTCAGAGAATGTTTATACATTATTTCTACCGAGAATTAAAACTTCA 2382 GATTOTTCAACATGAGAGAAAGGCTCAGCAACGTGAAATAACGCAAATGGCTTCCTCTTTCCTTTTTTTGGACCATCTCA 2461 TACCATGTAACCCTCCTTTCCGAATATCGATGTAAAGAAGTAACTTCTCTCATGAAAATCAGTACAATCACAAACG 2698

AGGATGAAACGCCCGGAACAAAAATGAGGTGTGTAGAACAGGTTCCCACAGGTTTGGGGACATTGAGATCACTTGTCTTG	27 <b>77</b>
TOTAL COCCUPATION OF THE PROPERTY OF THE PROPE	2856
ACCTCTTCTGTGAGAATATGATTTTTTCCATATGTATATAGTAAAATATGTTACTATAAATTACATGTACTTTATAAAT	2 <b>935</b>
$\tt ATTGGTTTGGGTGTTCCTTCCAAGAAGGACTATAGTTAGT$	3014
ATTTCTAATGAAAAAACTTTTAAATTATATCGCTTTTGGAAGTGCATATAAAATAGAGTATTTATACAATATATGT	30 <b>93</b>
TACTAGAAATAAAGAACACTTTTGGAAAAAAAAAAAAAA	3147

TANGO /1/ADAMTS-1 Comparison (90% Protein Sequence Identity
251 DQSMADFHGSGLKHYLLTLFSVAARFYKHPSIRNSISLVVVKILVIYEEQ 300
1TRPILVINDEQ 11
301 KGPEVTSNAALTLRNFCSWOKOHNSPSDRDPEHYDTAILFTRODLCGSHT 350
12 RGPEVTSNAALTLENFCNWQKQHNPPSDRDAEHYDTAILFTRQULCGSQT 61
351 CDTLCMADVGTVCDPSRSCSVIEDGLQAAFTTAHELGHVFNMPHDDAXH 400
62 CDTLGMADVGTVCDPSRSCSVTEDDGLQAAFTTAHELGHVFNMPHDDAKQ 111
401 CASLNGVSGDSHLMASMLSSLDHSQPWSPCSAYMVTSFLDNGHGECLMDK 450        :
451 PQNPIKLPSDLPGTLYDANRQCQFTFGEESKHCPDAASTCTTLWCTGTSG 500
.  :
501 GLLVCQTKHFFWADGTSCGEGKWCVSGKCVNKTIMKHFATFVHGSWGFWG 550
:
551 PWGDCSRTGGGGVQYIMRECINEVERNGGRYCEGKRVRYRSCNIEDCFIN 600
262 PWGDCSRTCGGGVQYTMRECINPVPKNGGRYCEGKRVRYRSCNLEDCPDN 311
601 NGKTFREEQCEAHNEFSKASFGNEPIVEWTPKYAGVSPKURCKLTCEAKG 650
312 NGRTFREEQCEAHNEFSKASFGSGPAVEWIPKYAGVSPKORCKLICQAKG 361
651 IGYFFVLQPKVVDGTPCSPDSTSVCVQQQCVKAGCDRIIDSKKKFDKCGV 700
362 IGYFFVLQPKVVDGTPCSPDSTSVCVQGQCVKAGCDRIIDSKRXFDKCGV 411 701 CGGNGSTCKRMSGIVTSTRPGYHDIVTIPAGATNIEVKHRNQRGSRNNGS 750
751 FLAIRAADGTYILNGAFTLSTLEQDLTYKGTVLRYSGSSAALFRIRSFSP 800
:       ::      ::      :
801 LKEPLTIQVLMVGHALRPKIRFTYFMKKKTESFNAIPIFSEWVIEEWGEC 850
901 WSPCSKTCCKGYKKRTLKCVSHDGGVLSNESCDPLKKPKHYIDFCTLTQC 950
951 S* 951
608 57 609

gtgc	ctad											s Gl			ttg Leu	50
atg Met 15																98
acc Thr																146
tcc Ser																194
act Thr																242
tgg Trpi																290
aag Lys														_		338
gga GIV																386
ggib GLy				caa Gln												434
aag Lys	aac Asn	gga Gly 145	Gly 999	aag Lys	tac Tyr	tgt Cys	gaa Glu 150	ggc Gly	aaa Lys	cga Arg	gtc Val	cgc Arg 155	tac Tyr	agg Arg	tcc Ser	482
tgt Cys	aac Asn 160	atc Ile	gag Glu	gac Asp	tgt Cys	cca Pro 165	gac Asp	aat Asn	aac Asn	gga Gly	aaa Lys 170	acg Thr	ttc Phe	aga Arg	gag Glu	530
gag Glu 175																578
gag Glu																626

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			ctc Leu		_				674
			aag Lys						722
			gtg Val						770
			aaa Lys						818
			tgc Cys 275						866
			gac Asp						914
gag			cgg Arg					 _	962
			gcc Ala						1010
			cta Leu						1058
			tcc Ser 355						1106
			ccc Pro						1154
			att Ile						1202
			att Ile						1250

ggg gag tgc tcc aag a Gly Glu Cys Ser Lys T 415 4				
cag tgc aga gac att a Gln Cys Arg Asp Ile A 435				Glu
gtg aag cca gcc agt a Val Lys Pro Ala Ser T 450	hr Arg Pro (		<del>-</del>	
tgg cag gtg ggg gat t Trp Gln Val Gly Asp T 465				
tac aag aag aga acc t Tyr Lys Lys Arg Thr L 480				
tca aat gag agc tgt g Seld Asn Glu Ser Cys A 495				
tti tgc aca ctg aca c Phe Cys Thr Leu Thr G II 515		taagaggcgt t	agaggacaa ggtag	cgtgg 1592
ggagggctg atacactgag	tgcaagagta	ctggagggat	ccagtgagtc aaac	cagtaa 1652
gcagtgaggt gtggcaagga	ggtgtgtgta	ggggatacat	agcaaaggag gtag	atcagg 1712
acactaccct gccagttaca	ttctgataag	gtagttaatg	aggcacagta gcat	ctgaaa 1772
gaccatacag agcactaagg				
cgcccaaata attttcagag			-	
cttatcacaa agattgggaa				
gcttggtttc aatcactgga				
getagttget gtggttttae				
agcttgttca acgtgacaga accatctcag ttcttaacta				
atgtacattg gaaaaaaaaa				
tgagcaacat gcctcctgct				
gtttaagatt atccatggct				
gaatggggta tagagatcag				
atgggaggct gctgcagggt	agcaggtcca	ctcctggcag	ctggtccaac agtc	gtatcc 2492
tggtgaatgt ctgttcagct				
gtatatagta aaatatgtta	ctatgaattg	catgtacttt	ataagtattg gtgt	atatat 2612
recttetaag aaggaetata	the second secon			
		aatgcctata	ataacatatt tatt	tttata 2672
catttatttc taatgataaa	acctttaagt	aatgcctata tatatcgctt	ataacatatt tatt ttgtaaaagt gcat	tttata 2672 ataaaa 2732
catttatttc taatgataaa atagagtatt tatacaatat	acctttaagt atgttaacta	aatgcctata tatatcgctt gaaataataa	ataacatatt tatt ttgtaaaagt gcat aagaacactt ttga	tttata 2672 ataaaa 2732 atgtgt 2792
catttatttc taatgataaa atagagtatt tatacaatat atgcctattt tctggagtgg	acctttaagt atgttaacta gattaacttc	aatgcctata tatatcgctt gaaataataa tgggcaagaa	ataacatatt tatt ttgtaaaagt gcat aagaacactt ttga atctgatgag acac	tttata 2672 ataaaa 2732 atgtgt 2792 aaacat 2852
catttatttc taatgataaa atagagtatt tatacaatat atgcctattt tctggagtgg tggacttcaa gacagtttta	acctttaagt atgttaacta gattaacttc aattttgggt	aatgcctata tatatcgctt gaaataataa tgggcaagaa aaatgaactg	ataacatatt tatt ttgtaaaagt gcat aagaacactt ttga atctgatgag acac tatttcctgt ttat	tttata 2672 ataaaa 2732 atgtgt 2792 aaacat 2852 agacgt 2912
catttatttc taatgataaa atagagtatt tatacaatat atgcctattt tctggagtgg	acctttaagt atgttaacta gattaacttc aattttgggt tgatgtcttt	aatgcctata tatatcgctt gaaataataa tgggcaagaa aaatgaactg agtggtaaga	ataacatatt tatt ttgtaaaagt gcat aagaacactt ttga atctgatgag acac tatttcctgt ttat ttgttactaa tgtg	tttata 2672 ataaaa 2732 atgtgt 2792 aaacat 2852 agacgt 2912 gttggc 2972

ccagccctgc gagggcgcgc ggaccgggcg gaggtgttgt aggaggagac cgaggagggg 2 ggctgggctg gggctggggc cgcgccggca agagagacat gcgattggtg accaagccga 3															
				atg Met 15											400
				ctg Leu								-		 -	448
				gag Glu											496
cgā Afā				gtg Val											544
				ggc Gly											592
				cca Pro 95											640
gig Vad				gag Glu											688
				cgc Arg											736
				agc Ser											784
				cta Leu											832
				ggc Gly 175											880

			ctg Leu					928
			gag Glu					976
			ctc Leu 225					1024
			ctt Leu				_	1072
			ccc Pro			ac		1110

ctcctggatg tgcgcagccg cagagcgctg ctgctgtgcc taatacccat cgctgcgcac 60 ttgacagcca gtccgcccgt ccggagcccg gctcgttggg gcagc atg gcg ggg tcg 11 Met Ala Gly Ser 1												
ccg ctg ctc Pro Leu Leu 5	-						165					
ctg ctc ttg Leu Leu Leu							213					
gtg aag gag Val Lys Glu							261					
acg agc act Thr Ser Thr 55	Pro Leu A						309					
geg ggt gcg Ala Gly Ala 1 70		gag ctg gcg Glu Leu Ala 75			a His Leu I		357					
gee gag aga Ala Glu Arg		ege geg egt Arg Ala Arg 90					405					
cag cag gcg					a Trp Gly S		453					
		ccc ttg gcc Pro Leu Ala					501					
gct gca cag Ala Ala Gln 135	Leu Ala A						549					
ccc cag tgt Pro Gln Cys 150					r Ser Arg M		597					
gcg acg aga Ala Thr Arg 165	Leu Leu T		Leu Ser		aggtactt go	tagggcgg	650					
atcctcaccg gtggaccagg gtcaaacgcc	atttgggtcd	c cgaggtgcc	c cctgaga	acg tad	ctgggggc to	tgctacgc	770					

aaaaaaaa aaaaaaa

